

Survey Content









ACRONYMS AND ABBREVIATIONS USED IN THE NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY (NHANES)

ACASI	Audio computer-assisted self interview
ADHD	Attention deficit hyperactivity disorder
BV	Bacterial vaginosis
CAPI	Computer-assisted personal interview
CD4	T lymphocyte helper cells
CDISC	National Institute for Mental Health's Computerized Diagnostic Interview Schedule for Children
CIDI	World Health Organization's Composite International Diagnostic Interview
CV Fitness	Cardiovascular fitness
FCBS	The Flexible Consumer Behavior Survey module
FSH/LH	Follicle stimulating hormone/Luteinizing hormone
HDL	High density lipoprotein
HPV	Human papillomavirus
LDL	Low density lipoprotein
MEC	Mobile examination center
MRSA	Methicillin resistant staphlococcus aureus
NTX	N-telopeptides of bone type I collagen
PAH	Polyaromatic hydrocarbons
PSA	Prostate specific antigen
Qx	Questions
RBC	Red blood cell
SP	Survey Participant
TH	Thyroxin
TIBC	Total iron binding capacity
TSH	Thyroid stimulating hormone
VOC	Volatile organic compounds
WBC/DNA	White Blood Cells/Deoxyribonucleic acid







Component	Age Range	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Audiometry	1/2 sample 20–69 years*					,		Age 12–19 8	% 70+ years	Age 12	–19 only
Balance	1/2 sample 40-69 years*				Note	Α					
Bioelectrical Impedance Analysis	8-49 years										
Body Measurements	All ages										
CV Fitness	12–49 years							P.M. partici	pants only		
Dermatology	20-59 years									•	
Dietary	All ages							Note B			
Dual Energy X-Ray Absorptiometry:											
Body Composition	8 years and older*	Note C						Age 8–6	9 years		
Bone Density—Hip and Spine	8 years and older										
FCBS Phone Follow-up Module	1 year and older										
Food Frequency	2 years and older				_		Do	ne by mail			
Hair Collection	1–5 years, females 16–49										
Lower Extremity Disease:											
Peripheral Neuropathy	40 years and older										
Peripheral Vascular Disease	40 years and older										
Mental Health	8–39 years										
CIDI	1/2 sample 20–39 years										
Generalized Anxiety	1/2 sample 20–39 years										
Depression	1/2 sample 20–39 years										
Panic Disorder	1/2 sample 20–39 years										
CDISC	8-19 years										
Eating Disorders	8-19 years										
Depression	8-19 years										
Panic	8–19 years										
Anxiety	8–19 years										

^{*}Except where noted otherwise.









Component	Age Range	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Parent CDISC:											
ADHD	Parent of 8-15 years										
Conduct Disorders	Parent of 8-15 years										
Depression	Parent of 8-15 years										
Eating Disorders	Parent of 8-15 years										
Elimination Disorders	Parent of 8-11 years										
Ophthalmology:											
Retinal Photo	40 years and older										
Visual Fields	40 years and older										
Oral Health:									Not	te D	
Basic Screening Exam	5 years and older										
Coronal Caries	2 years and older					Note E					
Dental Sealants	2-34 years										
Denture Questionnaire	25 years and older										
Exclusion qx	13 years and older										
Flourosis	6-49 years										
Incisal Trauma	10-29 years										
Orofacial Pain qx	10-69 years										
Orofacial Pain Exam	13–69 years										
Periodontitis:											
Loss of Attachment	18 years and older*				No	te F					
Gingival Bleeding	12-49 years										
Periodontal Bleeding	13 years and older										
Referral/Follow-up	2 years and older*					Note G			5 years	and older	
Root Caries	18 years and older										
Saliva	40 years and older		Note H								
Tooth Count	2 years and older*					Note I			5 years	and older	

^{*}Except where noted otherwise.







Component	Age Range	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Physical Activity Monitor	6 years and older										
Physical Functioning:											
Isokinetic	50 years and older										
20 ft. timed walk	50 years and older										
8 ft. timed walk	50 years and older										
Physician Exam	All ages										
Blood pressure	8 years and older										
Respiratory Health:											
Exhaled Nitric Oxide	6-79 years										
Spirometry	6-79 years										
Tuberculosis	1 year and older										
Vision	12 years and older										

^{*}Except where noted otherwise.

- Note A: Increased to full sample, 40 years and older.
- Note B: New interview system implemented in 2002. All participants asked to complete a second recall by phone.
- Note C: The age range for females in 1999 was 18 years and older.
- Note D: Oral health component changed from comprehensive dentist based exam to a simplified oral health screening on ages 5 years and older.
- Note E: Added identifying caries status on residual dental roots.
- Note F: Age range changed to 13 years and older; LOA measurement positions modified, a third site added.
- Note G: Added recommendations to seek care for removable dental prosthetics.
- Note H: Discontinued in mid-year of 2000.
- Note I: Added counting residual dental roots.







Lab Test	Age Range	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Acrylamide	3 years and older*										ears and der
Albumin (urine)	6 years and older									l Oid	Jei
Apolipoprotein (B)	1/2 subsample 12 years and older								A.M. partic	ipants only	
Arsenic (urine)	1/3 sample 6 years and older									<u>, , , , , , , , , , , , , , , , , , , </u>	
Bone Alkaline Phosphatase	8 years and older*					Age 8-49	vears old				
BV/Trichomonas	Females 14–49 years										
Cadmium (blood)	1 year and older										
CD4/CD8	18–49 years/ HIV+ & controls										
Chemistry Panel	12 years and older										
Chlamydia (urine)	14–39 years										
Total Cholesterol	3 years and older*								Age 6 years	s and older	
HDL Cholesterol	3 years and older*								Age 6 years	s and older	
LDL Cholesterol	Subsample 3 years and older*							Age	12 years and	d older a.m	. only
Complete Blood Count	1 year and older										
Cotinine	3 years and older										
C-reactive Protein	3 years and older*						Age 1 yea	r and older			ears and der
Creatinine (urine)	6 years and older										301
Cryptosporidium	6–49 years										
Dust Allergens	1 year and older										
Environmental Phenols	1/3 sample 6 years and older										
Erythrocyte Protoporphyrin	1 year and older*					Age 3–5	years and	females 12-	-49 years		
Fatty Acids	3-11 years, 12 and older, a.m. only									'	
Ferritin	1 year and older*						Age 1–5	years and f	emales 12–	49 years	
Fibrinogen	40 years and older										
Folate, RBC	3 years and older*							Age 1 year	and older		
Folate, Serum	3 years and older*							Age 1 year	and older		

^{*}Except where noted otherwise.







Lab Test	Age Range	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
FSH/LH	Females 35–60 years								•		
Fungicides	1/3 sample 6 years and older*		Not	e A							
Glucose, Plasma	Subsample 12 years and older										
Glucose Tolerance Test (OGTT)	Subsample 12 years and older								A.M. partici	pants only	
Glycohemoglobin	12 years and older										
Gonorrhea (urine)	14–39 years										
Halogenated Phenolic Compounds	1/3 sample 6 years and older*		Not	e A							
Helicobacter Pylori	3 years and older										
Hepatitis antiHBs	2–5 years										
Hepatitis A, B, C, D	6 years and older										
Hepatitis C Follow-up	All SPs with Hep C										
Herbicides: Substituted Ureas & other Herbicides	1/3 sample 6 years and older*		Not	e A							
Herpes 1 and 2 Antibody	14-49 years										
HIV Antibody	18–49 years										
Homocysteine	3 years and older*								years and der		
Human Papillomavirus (HPV)	Females 14–59 years										
HPV Swab	Females 14-59 years										
Hydroxylated Polychlorinated Biphenyls	1/3 sample 12 years and older										
Immunoglobulin E- Allergens	1 year and older										
Insulin/C-Peptide	Subsample 12 years and older								Insulir	n only	
lodine (urine)	1/3 sample 6 years and older										
Iron	1 year and older*						Not	te B			
Latex	12-59 years								-		
Lipoprotein (a) (Lp(a))	Subsample 12 years and older				=						
Lead (blood)	1 year and older										
Lead dust	Households with 1-5 year olds										

^{*}Except where noted otherwise.







Lab Test	Age Range	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Measles/Varicella/Rubella	6–49 years										
Metals (urine)	1/3 sample 6 years and older										
Mercury (hair)	1-5 years, females 16-49 years										
Mercury (blood)	1–5 years, females 16–49 years*							Age 1 year	and older		
Mercury (urine)	Females 16–49 years*						1/3	sample 6 y	ears and old	der	
Methylmalonic acid	3 years and older										
MRSA	1 year and older										
Non-dioxin-like Polychlorinated Biphenyls	1/3 sample 12 years and older										
N-Telopeptides (NTX)	8 years and older										
Omega Fatty Acids	3-11, 12 and older a.m. only					•					
Organchlorine Pesticides	1/3 sample 12 years and older										
Organophosphate Insecticides	1/3 sample 6 years and older*		Not	e A							
Parathyroid Hormone (PTH)	6 years and older										
Perchlorate (urine)	6 years and older*				Not	te C					
Perchlorate (water)	1/2 subsample 12 years and older										
Perfluorinated Compounds	1/3 subsample 12 years and older*	Not	e D								
Phthalates	1/3 sample 6 years and older										
Phytoestrogens	1/3 sample 6 years and older										
Polybrominated Diphenyl Ethers	1/3 subsample 12 years and older										
Polychlorinated Naphthalene	1/3 sample 12 years and older										
Polychlorinated and Polybrominated Dibenzo-p-dioxins, Dibenzofurans, Coplanar and Mono-Ortho-Substituted Biphenyls	1/3 sample 12 years and older										
Polycyclic Aromatic Hydrocarbons (PAH)	1/3 sample 6 years and older										
Prostate Specific Antigen (PSA)	Males 40 years and older										
PSA Follow Up	Males 40 and older with high results										
Pyrethroid Pesticides	1/3 sample 6 years and older*			Not	e E						
Other Pesticides	1/3 sample 6 years and older*	_	Not	e A							

^{*}Except where noted otherwise.







Lab Test	Age Range	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Selenium	3–11 years*					Age 40	years+				
Surplus Sera	6 years and older							Reduced	# of vials		
Syphilis	18–49 years										
Thyroid Function Testing	1/3 sample 12 years and older									Age 12	years +
TIBC	1 year and older*						Not	e B			
Toxaphenes	1/3 sample 12 years and older										
Toxoplasma	6–49 years	Not	e D								
Transferrin Receptor	1–5 years, females 12–49 years										
Triglycerides	Subsample 3 years and older*							Age 1	12 years an	d older, A.M	. only
Vitamin A/E/Carotenoids	3 years and older*						Age 6 year	s and older			
Vitamin B6	1 year and older										
Vitamin B12	3 years and older*						Age 1 yea	r and older			
Vitamin C	6 years and older										
Vitamin D	6 years and older*							Age 1 yea	r and older		
VOC (blood)	Subsample 20–59 years*							1/2 sa	ample age 1	2 years and	older
VOC (water)	Subsample 20–59 years*							1/2 sa	ample age 1	2 years and	older
VOC Exposure Monitor	Subsample 20–59 years										
White Blood Cell/ DNA	20 years and older]					

*Except where noted otherwise.

Note A: In 1999, the subsample was ½ for those aged 12–59 years. In 1999–2002, the subsample was ½ for those aged 6–11 years.

Note B: Age range changed to 3–5 years and females 12–59 years.
Note C: Analyzed retrospectively from Surplus Sera 2001–2004.
Note D: Analyzed retrospectively from Surplus Sera 1999–2000.

Note E: In 2001–2002, the subsample was $\frac{1}{2}$ for those aged 6–11 years.







Component	Age Range	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Survey Participant (SP) Questionnaire											
Acculturation (ACQ)	12 years and older										
Allergy (ARQ)	1 year and older										
Audiometry (AUQ)	20 years and older*								Age 1 year	r and older	
Balance (BAQ)	40 years and older										
Blood Pressure (BPQ)	16 years and older										
Cardiovascular Disease (CDQ)	40 years and older										
Demographics (DMQ)	0 years and older										
Dermatology (DEQ)	6 years and older*								Age 20-	-59 years	
Diabetes (DIQ)	1 year and older										
Diet Behavior and Nutrition (DBQ)	0 years and older										
Dietary Supplements & Medications (DSQ)	0 years and older										
Digit Symbol Substitution Test (CFQ)	60 years and older										
Early Childhood (ECQ)	0 –15 years										
Health Insurance (HIQ)	0 years and older			Found in I	Family Que	stionnaire					
Hospital Utilization & Access to Care (HUQ)	0 years and older										
Immunization (IMQ)	0 years and older										
Introduction & Verification (IVQ)	0 years and older										
Kidney Conditions (KIQ)	20 years and older										
Medical Conditions (MCQ)	1 year and older										
Miscellaneous Pain (MPQ)	20 years and older										

^{*}Except where noted otherwise.









Component	Age Range	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Occupation (OCQ)	12 years and older*								Age 16 year	rs and older	
Oral Health (OHQ)	2 years and older*								Age 18 year	rs and older	
Osteoporosis (OSQ)	20 years and older										
Physical Activity & Physical Fitness (PAQ)	2 years and older										
Physical Functioning (PFQ)	1 year and older										
Respiratory Health & Disease (RDQ)	1 year and older										
Sleep Disorders (SLQ)	16 years and older										
Smoking and Tobacco Use (SMQ)	20 years and older										
Social Support (SSQ)	60 years and older*								Age 40 year	rs and older	
Tuberculosis (TBQ)	1 year and older										
Vision (VIQ)	20 years and older*								Age 12 year	rs and older	
Weight History (WHQ)	16 years and older										
Family Questionnaire											
Consumer Behavior (CBQ)	0 years and older										
Demographic Background/Occupation (DMQ)	0 years and older										
Food Security (FSQ)**	0 years and older										
Health Insurance (HIQ)	0 years and older							Found in	SP Quest		
Housing Characteristics (HOQ)	0 years and older										
Income (INQ)	0 years and older										
Pesticide Use (PUQ)	0 years and older								Found in M	EC Interview	
Smoking (SMQ)	0 years and older										

^{*}Except where noted otherwise.





^{**}Adult and Child person-level food security data collected after the dietary recall.



Component	Age Range	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Mobile Exam Center (MEC) Questionnaire											
CAPI	12 years and older										
Alcohol Use	20 years and older										
Bowel Health	20 years and older										
Current Health Status	12 years and older										
Depression Screener	12 years and older										
Kidney Conditions—Urology	20 years and older										
Pesticide Exposure	8 years and older										
Physical Activity	12–15 years										
Prostate Conditions	Males 20 and older										
Reproductive Health	Females 12 years and older										
Tobacco Use	20 years and older										
Volatile Toxicants	1/3 sample 12+ years										
Weight History	8–15 years										
ACASI	12 years and older										
Alcohol Use	12–19 years										
Conduct Disorders	12–19 years										
Food Security	12–15 years										
Drug Use	12–59 years*									Age 12–	69 years
Sexual Behavior	14-59 years										
Tobacco Use	12-19 years										
Prostate Conditions	Males 20 and older								Moved	to CAPI	

^{*}Except where noted otherwise.





